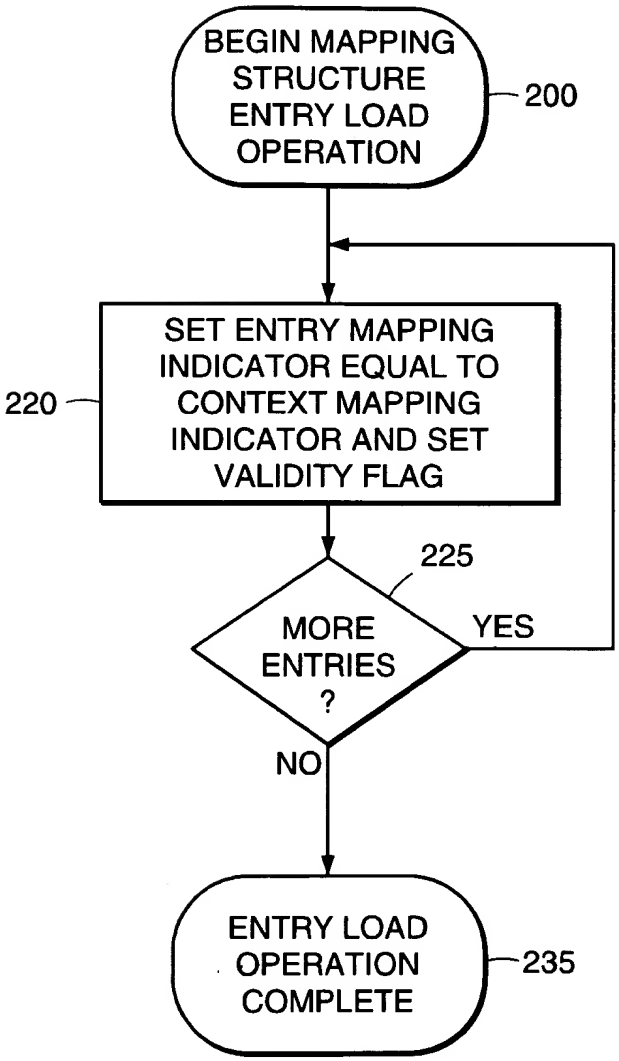
BEGIN MAPPING STRUCTURE ENTRY LOAD OPERATION
200
SET ENTRY MAPPING INDICATOR EQUAL TO CONTEXT MAPPING INDICATOR AND SET VALIDITY FLAG
220
225
MORE ENTRIES ?
YES
NO
ENTRY LOAD OPERATION COMPLETE
235

FIG. 1

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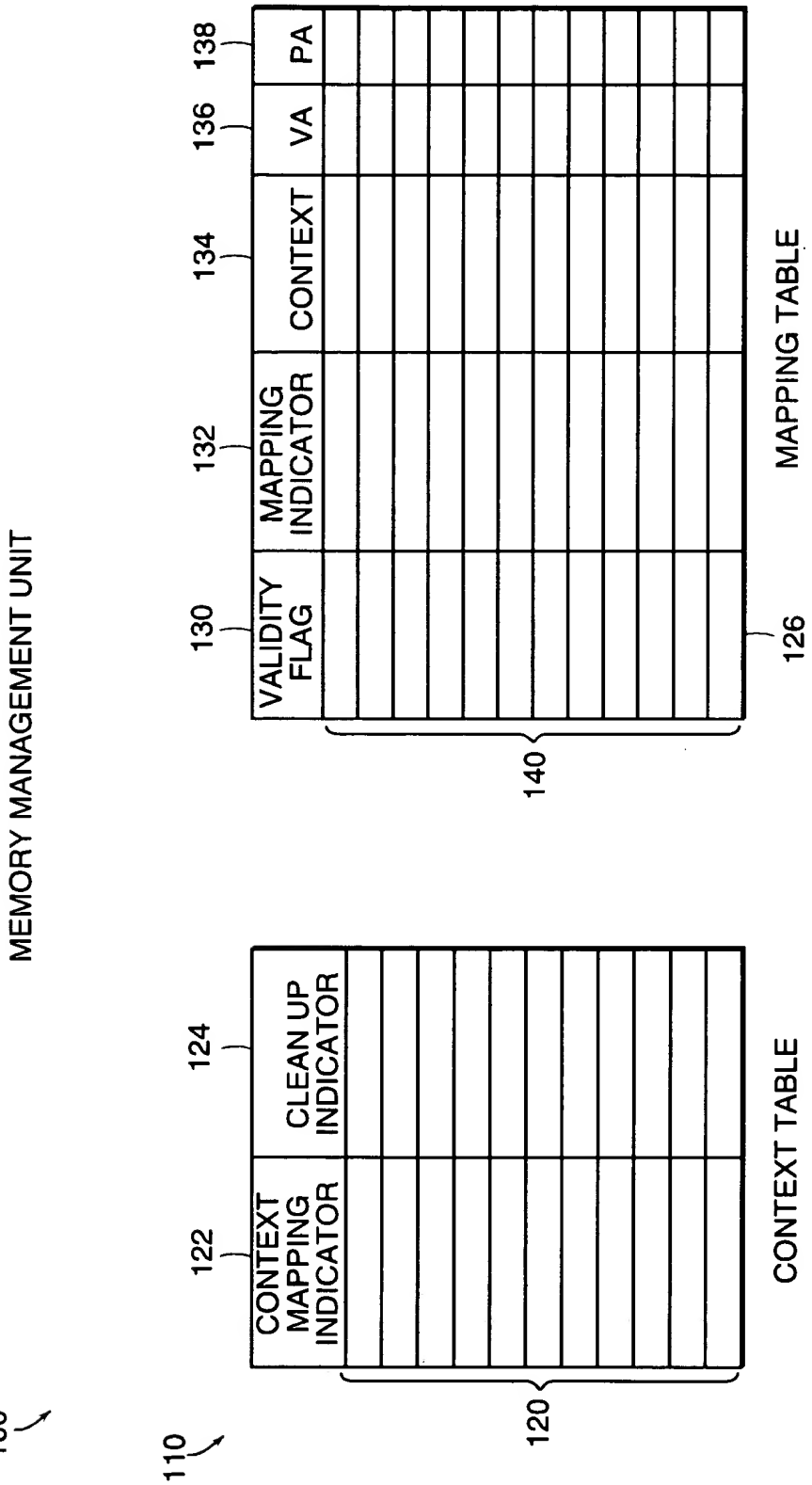

FIG. 2

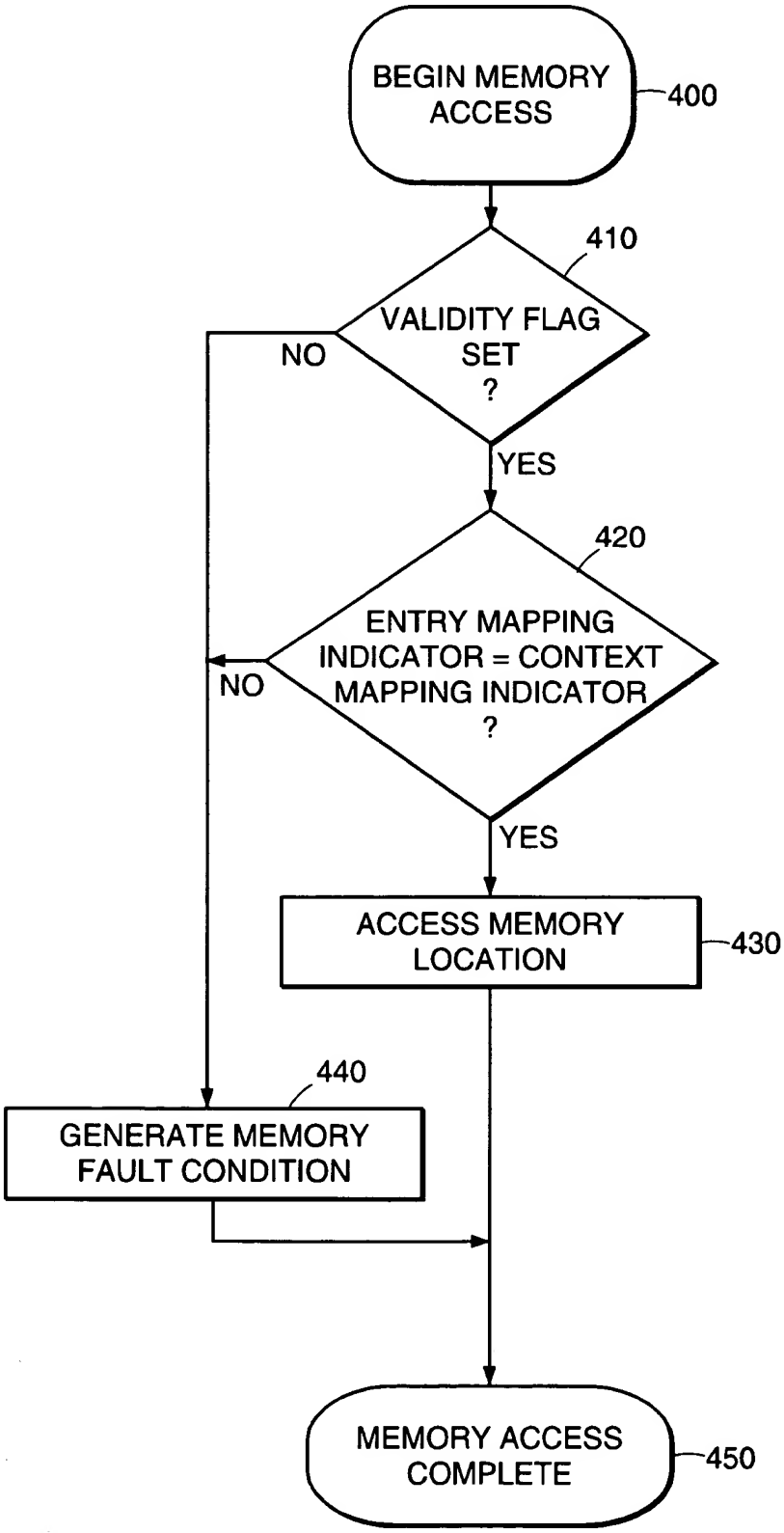
BEGIN MEMORY ACCESS
400
410
VALIDITY FLAG SET ?
NO
YES
420
ENTRY MAPPING INDICATOR = CONTEXT MAPPING INDICATOR ?
NO
YES
ACCESS MEMORY LOCATION
430
440
GENERATE MEMORY FAULT CONDITION
MEMORY ACCESS COMPLETE
450

FIG. 3

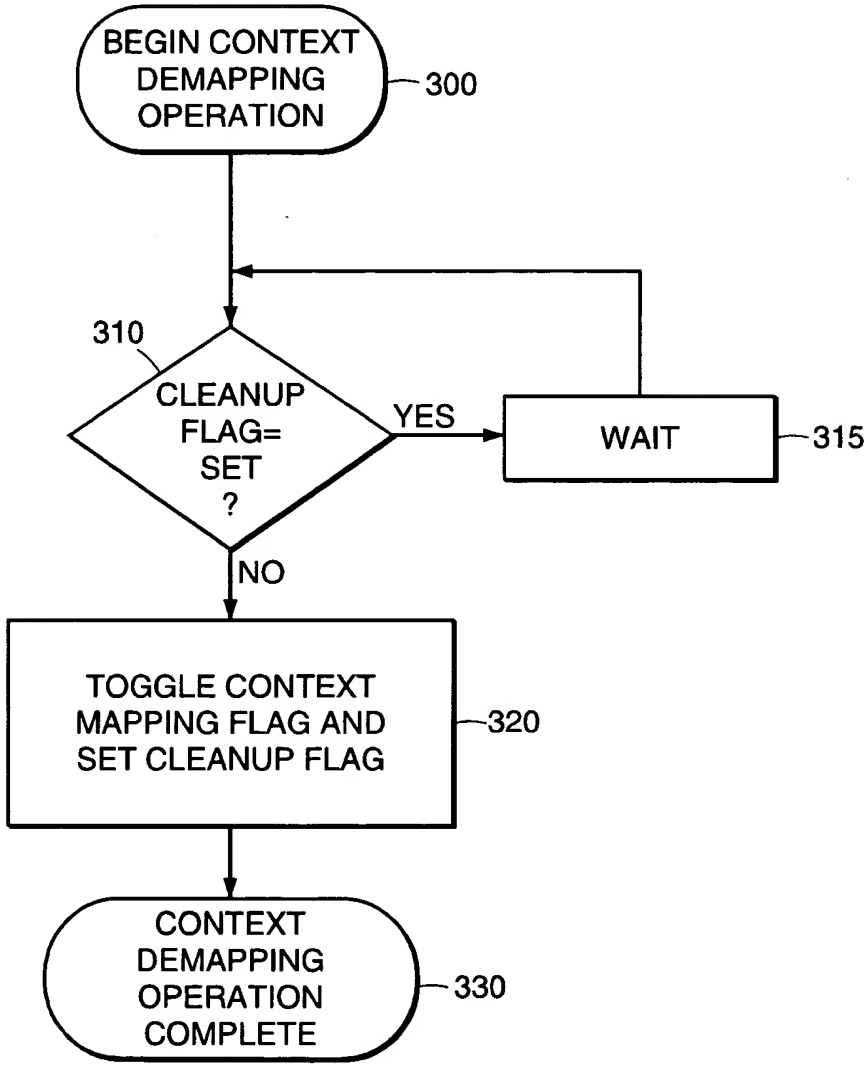
BEGIN CONTEXT DEMAPPING OPERATION
300
310
CLEANUP FLAG= SET ?
YES
WAIT
315
NO
TOGGLE CONTEXT MAPPING FLAG AND SET CLEANUP FLAG
320
CONTEXT DEMAPPING OPERATION COMPLETE
330

FIG. 4

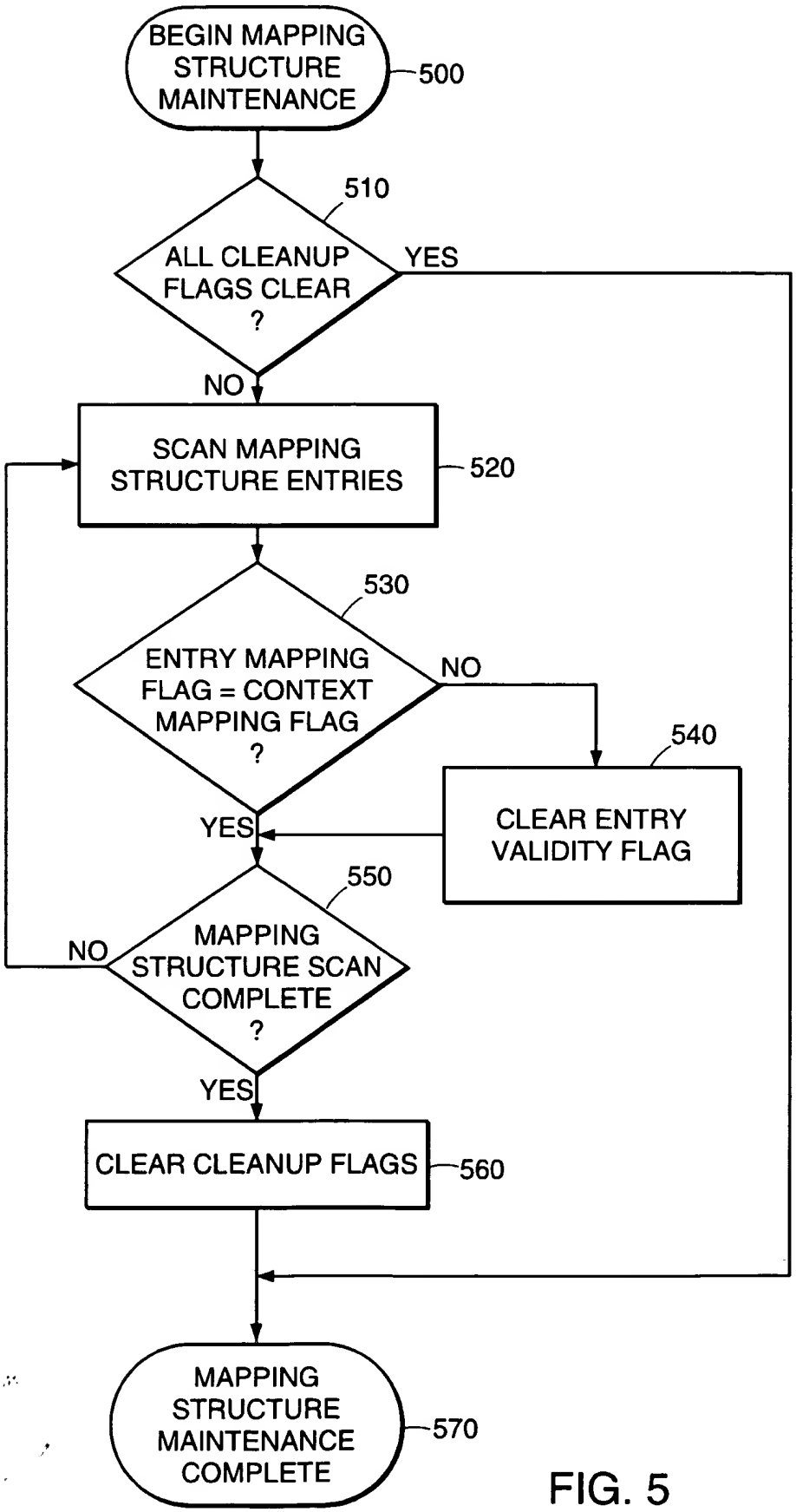
BEGIN MAPPING STRUCTURE MAINTENANCE
500
510
ALL CLEANUP FLAGS CLEAR ?
YES
NO
SCAN MAPPING STRUCTURE ENTRIES
520
530
ENTRY MAPPING FLAG = CONTEXT MAPPING FLAG ?
NO
540
CLEAR ENTRY VALIDITY FLAG
YES
550
MAPPING STRUCTURE SCAN COMPLETE ?
NO
YES
CLEAR CLEANUP FLAGS
560
MAPPING STRUCTURE MAINTENANCE COMPLETE
570

FIG. 5